

REMARKS

Claims 1-18 are the in application. Claims 3-5, 10-12 and 18 were objected to but indicated as allowable over the cited art.

Initially, Applicant's attorney wishes to thank Examiner Kim for the courtesies extended during the interview held on May 11, 2006. Applicant believes that the discussion regarding set associative cache structures, distributive cache structures and like, in contrast to Applicant's invention, helped in coming up with claim refinements to distinguish Applicant's invention from the cited references. Herein Applicant is amending the independent claims in a manner consistent with the discussions at the interview. If there are any questions in this regard, Applicant's attorney would like an opportunity to discuss such matters with the Examiner.

In accordance with the present invention, first and second TLBs (translation lookaside buffers) are provided in the processor (or in the design data module for the processor, etc.). As described in detail in Applicant's specification, first and second TLBs are utilized in Applicant's invention for more efficient and flexible address translation. A control circuit is provided, and the control circuit selects one of the first and second translation lookaside buffers to output a physical address based on stored enable information. Support for the claim amendments herein, and support generally for the claimed invention, is found in Figs. 1 and 4 (and the throughout the disclosure referencing these figures), and in particular from page 6, line 18 through page 7, line 22, and page 9, line 6 through page 10, line 5. No new matter has been added.

Applicant submits that the invention as defined in the presently presented claims amply distinguishes over the set associative structure disclosed in the Uchihori reference and the other cited art. Uchihori discloses a single TLB structure of the so-called 2 way set associative configuration, which is not controlled in the manner described and claimed by Applicant. Although the TLB of the well-known set associative configuration is structured to have a plurality ways (in Uchihori, there are two, designated side A and side B, etc.), this is fundamentally different from a plurality of TLBs as in Applicant's invention, and the control thereof is decidedly different (as was discussed at the interview and as is reflected in the amended claims).

Accordingly, Applicant submits that the presently claimed invention is neither disclosed in nor suggested by Uchihori. The Bosshart reference is similarly distinguishable. Withdrawal of the rejection is respectfully requested.

With respect to the other matters noted by the Examiner, Applicant responds as follows.

Applicant will consider whether it is aware of any other prior art which should be made of record in this application. As for the reference to related applications, Applicant is not aware of any such applications. As for the acronyms, Applicant believes that such acronyms are adequately defined in the specification. For example, when "UTLB" is first utilized, it is preceded by "first translation lookaside buffer." Applicant submits that the expression "first translation lookaside buffer UTLB" adequately defines the acronym "UTLB". Reconsideration of this matter is requested. Applicant also submits that the citations to the specification and figures set forth above adequately reference the support in the originally-filed specification for the presently-submitted claims. If the Examiner has any questions in this regard, Applicant's attorney would like to discuss this matter with the Examiner. Applicant submits that the claim amendments relating to the control of the first and second TLBs are clearly described in the originally-filed specification, as noted above.

Based on the foregoing, Applicant submits that the application is in condition for allowance, and such is respectfully requested. If there are any questions, Applicant's attorney requests an opportunity to discuss such questions with the Examiner by way of a telephone or in-person interview. Reconsideration and allowance is requested.

Please charge any additional fees due, or credit any overpayment, to Deposit Account No. 50-0251.

Respectfully submitted,



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